

FIG. 1

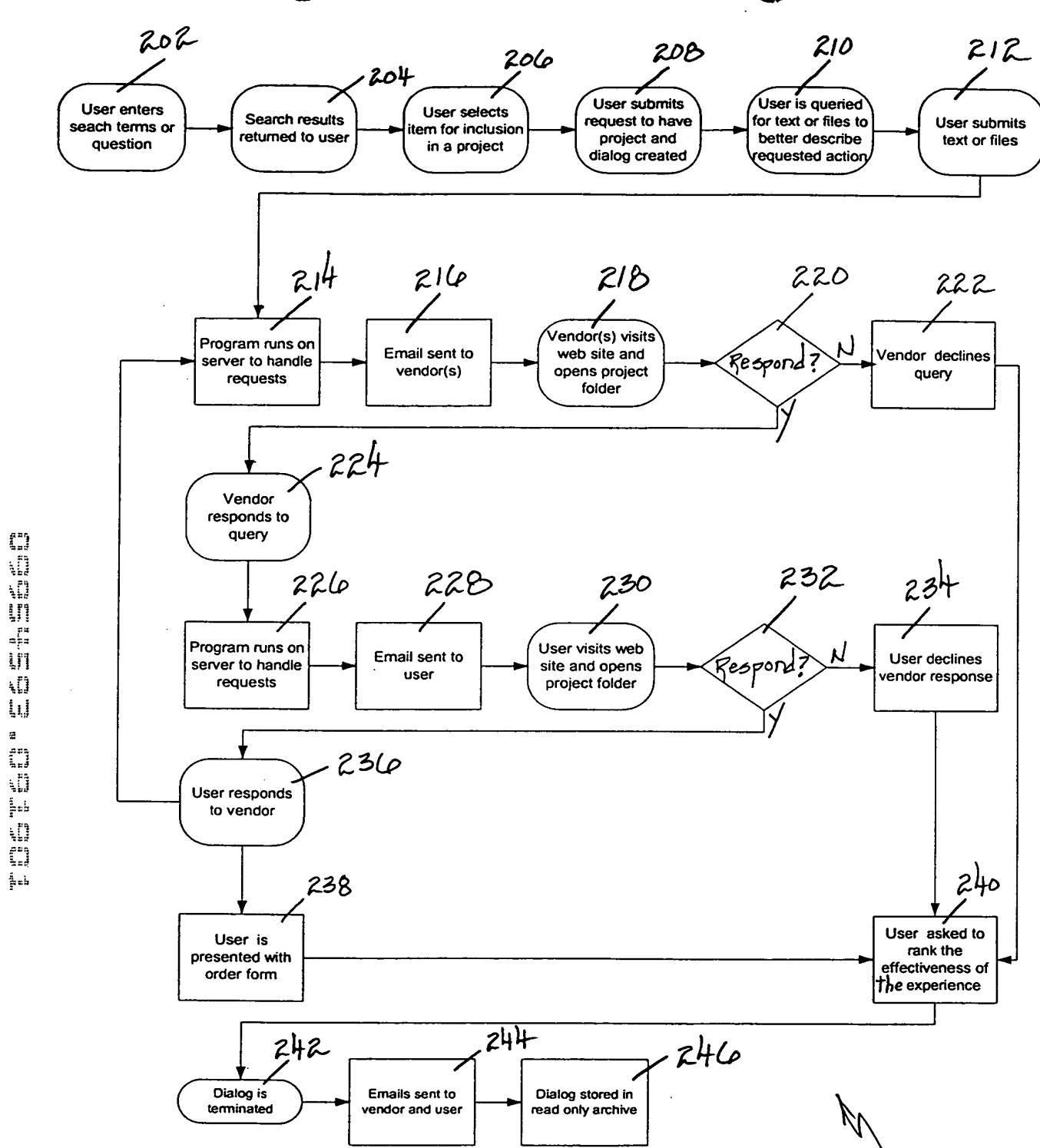


FIG. 2

MyProjects

You have been asked the following questions.

300



Why the thrust bearing faces are marked by fig.* in

Dialog Started : 12/16/2000 12:35:25 PM

Dialog Status : You were the last to contribute to this dialog - 12/27/2000 4:07:52 PM.

I have 2 questions 1) I would like to pressure co

Dialog Started : 4/26/2001 7:57:41 AM

Dialog Status : You were the last to contribute to this dialog - 4/26/2001 8:37:14 AM.

Jeff, Hopefully you can lead me to further inform

Dialog Started : 1/30/2001 10:08:27 AM

Dialog Status : You were the last to contribute to this dialog - 1/30/2001 10:47:21 AM.

305

310 STEAM TURBINE TURNING PROBLEM PLANT GENERAL TYPE

315 Dialog Started : 2/26/2001 7:11:20 PM

320 Dialog Status : You were the last to contribute to this dialog - 3/30/2001 11:28:40 AM.

I am doing research on emission control technologi

Dialog Started : 2/27/2001 2:26:19 PM

Dialog Status : You have received a response. - 3/7/2001 10:39:15 AM.

Hey Jeff- We spoke some time ago about the labeli

Dialog Started : 5/4/2001 3:59:24 PM

Dialog Status : You were the last to contribute to this dialog - 5/4/2001 4:28:33 PM.

I am looking for data on plant availability for co

Dialog Started : 5/29/2001 1:43:56 PM

Dialog Status : You have received a response. - 5/29/2001 1:43:56 PM.

I am looking for a contact at your facility to pro

Dialog Started : 5/30/2001 5:48:55 PM

Dialog Status : You have received a response. - 5/30/2001 5:48:55 PM.

Jeff, several months ago I was involved in the new

Dialog Started : 7/19/2001 12:26:22 PM

Dialog Status : You have received a response. - 7/19/2001 12:26:22 PM.

MyProjects Archives

FIG. 3

400



405

You were asked - STEAM TURBINE TURNING PROBLEM PLANT GENERAL TYPE
STEAM TURBINE TURNING PROBLEM PLANT GENERAL TYPE 2 ON 1 COMBINE CYCLE POWER PLANT (2 GTs, 2 HRSGs & 1 ST) POWER OUTPUT : 500 MW FUEL : LNG OR OIL TURBINE SUPPLIER : GE PROBLEM During the startup of our combine cycle power plant, when steam turbine is shutdown, the HRSG steam is bypassed to the condenser. At this time steam turbine is turning at 4 RPM. However, when HP bypass steam flow to condenser increase, steam turbine speed increase above tuning RPM(4RPM) up to 24 RPM without steam admission to steam turbine. I want to know reason & solution for this abnormal operation. If you have any experience about this, please give me an information.

410

I have had this problem with a previous combined cycle power plant I managed. One of the first things I would check is steam seals and steam seal control valve for leakage. I am assuming that when you state that you are bypassing to the condenser, that this is the main steam condenser, and not a by pass condenser. It appeared that what was happening at our site was that when the steam was dumped to the condenser, the vacuum created drew steam in through the seals, and consequently, through the turbine, causing it to come off turning gear. I am willing to discuss this with you further if you desire.

415

Thank you for your response. Please see attached additional question

[View accompanying document](#)

420

[Ask A Clarifying Question](#)

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FIG. 4

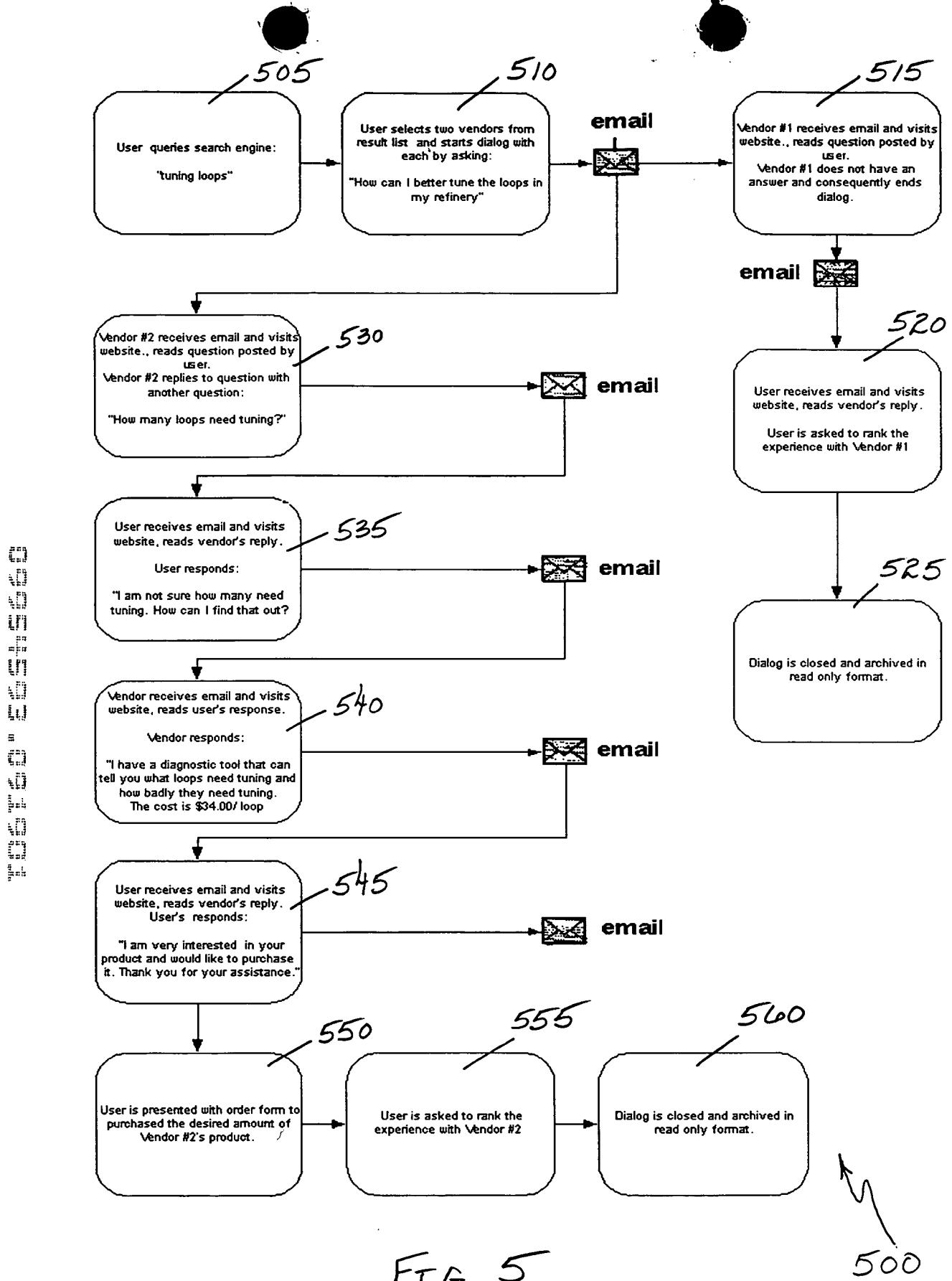


FIG. 5